

**IN THE CLAIMS**

Please amend the claims as follows.

1. (Original) An asymmetrical antenna, comprising:

a substrate having opposite first and second surfaces, and first, second, third, and fourth sides;

a first radiating segment disposed on the first surface of the substrate, including:

a first conductive strip of substantially L shape disposed along the first and second sides of the substrate; and

a second conductive strip of substantially L shape having one end connected to the first conductive strip near the second side of the substrate and one free end extending towards the first side of the substrate; and

a second radiating segment disposed on the first surface of the substrate, including:

a third conductive strip of substantially L shape disposed along the first and fourth sides of the substrate; and

a fourth conductive strip of substantially L shape having one end connected to the third conductive strip near the fourth side of the substrate and one free end extending towards the first side of the substrate.

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2. (Original) The asymmetrical antenna of claim 1, wherein the second conductive strip forms a quadrangular conductive layer at the free end.

3. (Original) The asymmetrical antenna of claim 1, wherein the third conductive strip has two free ends.

4. (Original) The asymmetrical antenna of claim 1, wherein the antenna is connected to a ground via a conducting element disposed on the free end of the second conductive strip.

5. (Original) The asymmetrical antenna of claim 1, wherein the antenna is sized and configured to work in a low frequency band and a high frequency band.

6. (Original) The asymmetrical antenna of claim 5, wherein the first conductive strip is sized and configured to work in the low frequency band and the second conductive strip is sized and configured to work in the high frequency band.

7. (Currently amended) An antenna module formed on a housing for a circuit board having communication components disposed thereon, comprising:

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a housing element having opposite first and second surfaces, and first, second, third, and fourth sides;

a first radiating segment disposed on the first surface of the housing element, including:

a first conductive strip of substantially L shape disposed along the first and second sides of the housing element; and

a second conductive strip of substantially L shape having one end connected to the first conductive strip near the second side of the housing element and one free end extending towards the first side of the housing element;

a second radiating segment disposed on the first surface of the housing element, including:

a third conductive strip ~~in~~ of substantially L shape disposed along the first and fourth sides of the housing element; and

a fourth conductive strip ~~in~~ of substantially L shape having one end connected to the third conductive strip near the fourth side of the housing element and one free end extending towards the first side of the housing element; and

an inner conductive layer disposed on the second surface of the housing element electrically connected to the first and second radiating segments;

wherein the inner conductive layer is configured to form signal communication with the circuit board when the circuit board is mounted in the housing.

8. (Original) The antenna module of claim 7, wherein the second conductive strip forms a quadrangular conductive layer at the free end.

9. (Original) The antenna module of claim 7, wherein the third conductive strip has two free ends.

10. (Original) The antenna module of claim 7, wherein the antenna module is sized and configured to work in a low frequency band and a high frequency band.

11. (Original) The antenna module of claim 10, wherein the first conductive strip is sized and configured to work in the low frequency band and the second conductive strip is sized and configured to work in the high frequency band.

12. (Original) The antenna module of claim 7, wherein the inner conductive layer forms a conductive shield over the communication components disposed on the circuit board when the housing receives the circuit board.

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13. (Canceled)

14. (Currently amended) The antenna module of claim 7, wherein the first and second radiating segments are connected to the inner conductive layer via a connecting element.

15. (Original) The antenna module of claim 14, wherein the connecting element includes a plurality of metalized holes.

16. (Original) The antenna module of claim 7, wherein the inner conductive layer forms an electrical contact with the circuit board when the circuit board is received by the housing.

17-37. (Canceled)